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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Application Number	10/645,832
Filing Date	August 20, 2003
First Named Inventor	Spencer B. Dick
Art Unit	
Examiner Name	
Attorney Docket Number	PAI 309C

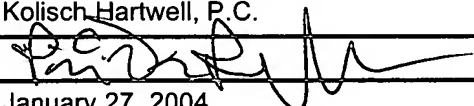
Total Number of Pages in This Submission

7

ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
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<input type="checkbox"/> Response to Missing Parts/Incomplete Application	Remarks	
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Pierre C. Van Rysselberghe Kolisch Hartwell, P.C.
Signature	
Date	January 27, 2004

CERTIFICATE OF TRANSMISSION/MAILING

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

January 27, 2004

PHILIP SAWYER, DAVID A. MORGAN and DAVID LEE

Serial No. : 10/645,832

Our File - PAI 309C

Filed : August 20, 2003

For : APPARATUS AND METHODS FOR DOUBLE
ENDED PROCESSING

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §§ 1.56, 1.97, and 1.98

Applicants are submitting this Information Disclosure Statement pursuant to 37 C.F.R. §§ 1.56, 1.97, and 1.98 to disclose to the U.S. Patent and Trademark Office the patents, publications, applications, and/or other references listed on the enclosed, completed PTO-1449 form(s). The filing of this Information Disclosure Statement should not be construed as a representation that a search has been made or as an admission that the listed references are prior art for this application. Applicants respectfully request that the listed references be expressly considered during prosecution of the application, and that the references be made of record therein and appear among the "references cited" on any patents issuing therefrom.

CONTENT OF DISCLOSURE

This Information Disclosure Statement includes (1) four (4) pages of PTO-1449 forms, and (2) a legible copy of each foreign and non-patent reference, if any, listed on the form(s). However, because this application was filed on or after July 1, 2003, no copies of U.S. patents or published U.S. patent applications are included.

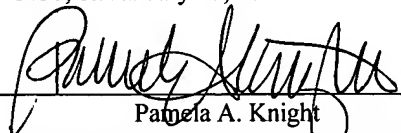
TIMING OF DISCLOSURE / FEE INFORMATION

This Information Disclosure Statement is being filed, to the best of the undersigned's knowledge, either (1) before the mailing of a first Office action on the merits, or (2) before the mailing of a first Office action after the filing of a request for continued examination under 37 C.F.R. § 1.114. Therefore, in accordance with 37 C.F.R. § 1.97(b), no fee or statement under 37 C.F.R. § 1.97(e) is required.

Please contact the undersigned with any questions or comments regarding this Information Disclosure Statement.

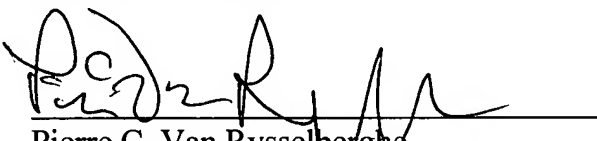
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Pamela A. Knight
Date of Signature: January 27, 2004

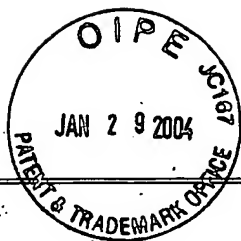
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SHEET 1 OF 4

FORM PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION		DOCKET NUMBER PAI 309C		APPLICATION NUMBER 10/645,832		
		APPLICANT(S) Philip Sawyer, et al.				
		FILING DATE August 20, 2003		GROUP ART UNIT		
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
	Re.35,663	11/18/97	Mori et al.			
	2,577,766	12/11/51	Johnson et al.			
	3,170,736	2/23/65	Wright			
	3,566,239	7/3/67	Taniguchi			
	3,584,284	9/12/69	Beach			
	3,814,153	6/4/74	Schmidt			
	3,854,889	12/17/74	Lemelson			
	4,221,974	9/9/80	Mueller et al.			
	4,260,001	4/7/81	De Muynck			
	4,358,166	11/9/82	Antoine			
	4,453,838	6/12/84	Loizeau			
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO
OTHER DOCUMENTS						
EXAMINER			DATE CONSIDERED			



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U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
	4,472,783	9/18/84	Johnstone et al.			
	4,725,961	2/16/88	Pearl			
	4,874,996	10/17/89	Rosenthal			
	4,878,524	11/7/89	Rosenthal et al.			
	5,054,938	10/8/91	Ide			
	5,197,172	3/30/93	Takagi et al.			
	5,251,142	10/5/93	Cramer			
	5,266,878	11/30/93	Makino et al.			
	5,365,812	11/22/94	Harnden			
	5,418,729	5/23/95	Holmes et al.			
	5,444,635	8/22/95	Blaine et al.			
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO
OTHER DOCUMENTS						
EXAMINER			DATE CONSIDERED			

SHEET 3 OF 4

FORM PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION		DOCKET NUMBER PAI 309C		APPLICATION NUMBER 10/645,832		
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		FILING DATE August 20,2003		GROUP ART UNIT		
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
	5,472,028	12/5/95	Faulhaber			
	5,489,155	2/6/96	Ide			
	5,524,514	6/11/96	Hadaway et al.			
	5,664,888	9/9/97	Sabin			
	5,797,685	8/25/98	Jurik et al.			
	5,798,929	8/25/98	Stenzel et al.			
	5,829,892	11/3/98	Groves			
	5,865,080	2/2/99	Jackson			
	5,933,353	8/3/99	Abriam et al.			
	5,938,344	8/17/99	Sabin			
	5,953,232	9/14/99	Blaimschein			
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO
OTHER DOCUMENTS						
EXAMINER				DATE CONSIDERED		



SHEET 4 OF 4

FORM PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION			DOCKET NUMBER PAI 309C		APPLICATION NUMBER 10/645,832	
			APPLICANT(S) Philip Sawyer et al.			
			FILING DATE August 20, 2003		GROUP ART UNIT	
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
	5,964,536	10/12/99	Kinoshita			
	6,144,895	11/7/00	Govindaraj et al.			
	6,263,773	7/24/01	McAdoo et al.			
	6,272,437	8/7/01	Woods et al.			
	6,379,048	4/30/02	Brissette			
	6,463,352	10/8/02	Tadokoro et al.			
	6,470,377	10/22/02	Sevcik et al.			
	6,510,361	1/21/03	Govindaraj et al.			
	6,520,228	2/18/03	Kennedy et al.			
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO
OTHER DOCUMENTS						
EXAMINER			DATE CONSIDERED			